

2508

Cylindrical he3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	7.05/179.1
MAXIMUM DIAMETER (INCH/MM)	0.56/14.2
EFFECTIVE LENGTH (INCH/MM)	3.94/100.0
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.25/6.35
CONNECTOR	SHV
OPERATING TEMPERATURE RANGE °C	-50 to +100
GAS PRESSURE (TORR)	30400
EFFECTIVE VOLUME (CM³)	3.17

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1900
OPERATING VOLTAGE RANGE (VOLTS)	1800 - 2050

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
TUBE CAPACITANCE (PF)	4
MAXIMUM RESOLUTION (% FWHM)	10

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	3.0
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